

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION

WIN-1655

Effective Date: November 1, 2012

Reevaluation Date: **May 2016**

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

**Series 8900/90/8000/1800/3900 Vinyl Horizontal Slider Windows, Replacement Construction, Non-Impact Resistant**, manufactured by

**Atrium Windows and Doors**

**9001 Ambassador Row**

**Dallas, Texas 75247**

**Telephone: (214) 637-2696**

### General Description:

System	Description	Label Rating	Design Pressure Rating (psf)
1	Series 8900/90/8000/1800/3900 Vinyl Horizontal Slider Window; XX	HS-R35 78 x 48	± 35
2	Series 8900/90/8000/1800/3900 Vinyl Horizontal Slider Window; XX	HS-R50 72 x 48	± 50
3	Series 8900/90/8000/1800/3900 Vinyl Horizontal Slider Window; XOX	HS-R50 96 x 48	± 50
4	Series 8900/90/8000/1800/3900 Vinyl Horizontal Slider Window with Transom; O/XX	Horizontal Slider: HS-R50 72 x 48 Transom: FW-R50 48 x 84	± 50

### Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Size	Transom Daylight Opening Size
1	78" x 48"	Two: 37 $\frac{1}{16}$ " x 43 $\frac{1}{16}$ "	N/A	N/A
2	72" x 48"	Two: 34 $\frac{1}{16}$ " x 44"	N/A	N/A
3	96" x 48 $\frac{3}{4}$ "	Two: 31 $\frac{3}{8}$ " x 44"	One: 31 $\frac{7}{16}$ " x 43 $\frac{1}{16}$ "	N/A
4	72" x 90"	Two: 31 $\frac{3}{4}$ " x 41"	N/A	72" x 36"

**Product Identification:**

System		
1-3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	ADW-8
	Product Name	8900/90/8000/3900 S25/S35 HS
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

**Product Identification (Horizontal Slider Window):**

System		
4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	ADW-8
	Product Name	8900/90/8000/3900 S25/S35 HS
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

**Product Identification (Transom Window):**

System		
4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	ADW-8
	Product Name	8900/90/8000/3900 E61 PW
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

**Impact Resistance:**

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

**Installation:**

**Systems 1-3:** The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be secured to the wood wall framing using the frame of the window with minimum No. 10 x 2 ½" screws. Along each side jamb, the fasteners are spaced approximately 6 inches from each corner. Along the head, the fasteners are spaced approximately 6 inches from each corner and 24 inches on center. Along the sill, the fasteners are spaced approximately 30 inches from each corner. Note: Refer to drawing entitled "Atrium Series 8900 Horizontal Slider Finless Installation," Sheet 3 of 5, dated 4-09-2012, for an illustration of the installation requirements.

**System 4:** The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be secured to the wood wall framing using the frame of the window with minimum No. 10 x 2 ½" screws. Along the head and side jambs of the transom, the fasteners are spaced approximately 6 inches from each corner and 16 inches on center. Along the sill, the fasteners are spaced approximately 30 inches from each corner. Along each horizontal slider side jamb, the fasteners are spaced approximately 6 inches from each corner. The horizontal mullion is secured to the wall framing with an aluminum mullion clip (3.50" x 2.50" x 0.125"). The clip is secured to the wall framing with two (2) No. 10 x 2 ½" screws. The clips slide into the horizontal mullion and are not secured with fasteners. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members. Note: Refer to drawing entitled "Atrium Series 8900 Horizontal Slider Finless Installation," Sheet 4 of 5, dated 4-09-2012, for an illustration of the installation requirements.

**Note:** The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.